GIS Applications Lead

JOB PURPOSE AND SUMMARY

Supports the design, development, and implementation of the Enterprise GIS applications and solutions through the use of the ESRI ArcGIS Server platform. The primary role of the GIS Applications lead involves the development and maintenance of web-based and mobile GIS applications and tools for the Enterprise GIS for supporting the business needs of the City's various Divisions and departments. Provide troubleshooting and resolving of application issues for system and end-user support.

ESSENTIAL FUNCTIONS

- Lead the design and development of user friendly web-based mapping and mobile GIS applications and tools
- Manage and guide a team of GIS developers; overseeing the entire project cycle
- Performs complex, integrated programming, data analysis, and application development including maintenance and future enhancements of existing applications.
- Development of GIS application project proposals, determine functional and technical requirements for GIS solutions
- Conducts feasibility studies; recommends optimum approach and develops application direction for GIS projects
- Documents, designs, codes, and tests GIS solutions and GIS applications; designs and carries out GIS procedures, both simple and complex; and performs programming for data creation, analysis, conversion and transfer, graphic production, and project reporting.
- Design end-user training materials and help provide training on new applications to end users
- Maintains currency of knowledge with respect to relevant state-of-the-art technology, equipment, and/or systems.

MINIMUM QUALIFICATIONS

- Bachelor's Degree in GIS, Geography, Engineering, Computer Science or other related field.
- 3-5 years demonstrated professional working experience in GIS application development with 2 years in a senior applications development position
- Expertise in the ESRI ArcGIS Server platform and suite of desktop software including extensions
- Proficiency in MS .NET frameworks 2,3.5,4- C#, VB.NET,ASP.NET,LINQ,WPF & WCF, HTML, Javascript, SQL and J2EE.
- Experience of working in IIS 6.0 and above.
- Proficiency in ESRI development of ArcGIS version 9.3.1 and 10 using Arcobjects, .NET WebADF, Silverlight API, Flex API, Javascript API, SDE C/Java API, Python, and Mobile ADF.
- Experience in enterprise databases MS SQL Server 2005, 2008, Oracle 11g.
- Experience in developing Web 2.0 RIA, test driven solutions.

- Experience in implementing application development best practices using frameworks such as PRISM, Spring.NET, nHibernate, dojo, jQuery.
- Experience in working IDE's -VS 2008, VS 2010(professional or TFS), Eclipse and Flex builder.
- Experience in working in source control environment like VSS, TFS or SVN.
- Ability to maintain application integrity of development and production environments at enterprise levels.
- Ability to create application documentation, UML diagrams, flow diagrams, test plans and wireframes.
- Good analytical skills in developing user friendly application, identifying risks, enterprising best practice solutions.
- Experience in utilizing Geographic Position System (GPS) technology, coordinate systems to develop spatial models and maps

ADDITIONAL PREFFERED SKILLS
- Experience with application development for Oracle Ebiz Suite (CRM, Financial, HR and EAM modules)
- Good to have knowledge of development in mobile platforms such as iOS, Android or WinPhone platforms.
- Knowledge of Open Source GIS like MapServer, QGIS or PostGIS
- Experience with GIS system design and administration